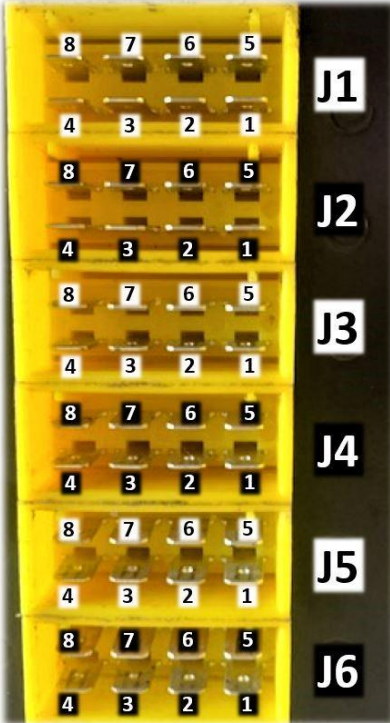


## JUNCTION RECEPTACLES IDENTIFICATION

This document is to assist in quickly identifying circuits at the outside/back of the control box.

### Junction Receptacles Outside Control Box



#### J1, Terminals...

1. Not used
2. Purple wire, Connects to engine communication connector Pin "C"
3. Black wire, Battery B- connects to engine block
4. Red wire, B+ power connector connects to 12 volt 30 amp fuse
5. Not used
6. Yellow wire (12V) connects to engine communication connector pin B
7. Not used
8. Orange wire connects to engine communication connector pin D

#### J2, Terminals...

1. Grey wire, (Ground) Solenoid, front, main cylinder
2. Red wire (signal) connects to solenoid, front, main cylinder  
Inactive 0 volts  
Active 12 volts
3. Brown wire (ground) connects to solenoid, shuttle cylinder
4. Red wire (signal) connects to solenoid, Shuttle cylinder valve  
Inactive 0 volts  
Active 12 volts
5. Not used
6. Not used
7. Yellow wire (ground) connect to solenoid, rear, main cylinder
8. Red wire (signal) solenoid, rear, main cylinder  
Inactive 0 volts  
Active 12 volts

#### J3, Terminals...

1. White wire connects to proximity switch B, Signal  
Active 0.7 volts  
Inactive 2.5 ~ 3.0 volt
2. Green wire connects to Proximity switch A - Signal  
Active 0.07 volts  
Inactive 2.5 ~ 3.0 volts
3. Not used
4. Not used
5. The two Blue wire (Ground) connects to Proximity switch A & B
6. The two Brown wires (12 volt) Connects to proximity switch A & B
7. Not used
8. Not used

## JUNCTION RECEPTACLES IDENTIFICATION

### Junction Receptacles Outside Control Box



#### J4, Terminals...

1. Not used
2. Black wire - connects to automated flow control  
When activated 12 volt
3. White wire connects to automated flow control  
When activated sends 12 volt
4. Not used
5. Black wire (Ground) Connects to solenoid, accumulator unloader
6. Red wire connects to solenoid, accumulator unloader  
Engine running 12 volts
7. Black wire (Ground) connects to relay K1 & K2 # pin 85 heat exchanger fan
8. Red wire (12 volt) connects K1 relay pin 30  
Slave relay, when activated stops fan while engine is cranking

#### J5, Terminals...

1. Red wire (12 volts) Connects to K1 relay pin 86
2. Not used
3. Not used
4. Not used
5. Not used
6. Not used
7. Not used
8. Not used

#### J6, Terminals...

1. Not used
2. Not used
3. Black wire connects to engine communication connector pin aa
4. Blue wire connects to engine communication connector pin bb
5. Not used
6. Not used
7. Not used
8. Not used